

#3 12/7/01
FVS

PATENT
8733.036.11

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1c971 U.S. PTO
09/982830
10/22/01

In Re Application of:

Komatsu HIROSHI.

Group Art Unit: 2871

Application No.: To Be Assigned

Examiner: M. TON

Filing Date: October 22, 2001

For: Liquid Crystal Display

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

Commissioner of Patents
Washington, D.C. 20231

Sir:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The Applicant(s) wish to make of record the references listed on the attached Form PTO-1449. Copies of the listed references were submitted in either Application No. 09/768,241, filed January 25, 2001, Application No. 09/365,634, filed August 3, 1999 or Application No. 08/832,980, filed April 4, 1997, which is the parent application.
- ☐ A check is attached in the amount required under 37 CFR § 1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending applications or issued patents which may be related to the present application. A copy of the patent(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR § 1.17(p).

CERTIFICATION

The undersigned certifies that

- ☐ each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this statement.

PETITION

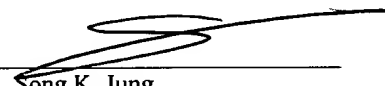
- ☐ Applicant(s) hereby request consideration of the attached information. A check is attached in the amount of the Petition fee required under 37 CFR § 1.17(i)(1).

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account No. 50-0911. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

LONG ALDRIDGE & NORMAN, LLP

By 
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Registration No. 35,210

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Date: October 22, 2001

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY
APPLICANT

(Use Several Sheets if Necessary)

Date: January 24, 2001Applicant: **Komatsu HIROSHI**Filing Date
January 25, 2001Group
2871Jc971 U.S. PTO
09/982830

10/22/01

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,239,346	12/16/80	LLOYD			
	AB	4,726,659	02/1988	CONRAD, et al.			
	AC	5,307,189	04/26/94	NISHIKI, et al.			
	AD	5,321,535	06/14/94	UKAI, et al.			
	AE	5,459,596	10/17/95	UEDA, et al.			
	AF	5,464,669	11/07/95	KANG, et al.			
	AG	5,492,762	02/20/96	HIRAI, et al.			
	AH	5,540,784	07/30/96	RANES			
	AI	5,576,858	11/19/96	UKAI, et al.			
	AJ	5,598,285	01/28/97	KONDO, et al.			

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	TRANSLATION	
				YES	NO
	AK	0 368 260	05/1990	EUROPEAN	X
	AL	0 588 568	03/1994	EUROPEAN	X
	AM	0 749 029	12/1996	EUROPEAN	X
	AN	62-78532	04/1987	JAPAN	ABSTRACT
	AO	04-067127	03/1992	JAPAN	ABSTRACT

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	R. Kiefer, et al., <i>In-Plane Switching of Nematic Liquid Crystals</i> , Japan Display '92, pp. 547-550.
	AQ	M. Oh-e, et al., <i>Principles and Characteristics of Electro-Optical Behaviour with In-Plane Switching Mode</i> , Asia Display '95, pp. 577-580.
	AR	M. Ohta, et al., <i>Development of Super-TFT-LCDs with In-Plane Switching Display Mode</i> , Asia Display '95, pp. 707-710.

Examiner Signature

Date Considered:

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

COPY

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEAttorney Docket NO.
8733.036.10Application No.
Not Yet AssignedLIST OF REFERENCES CITED BY
APPLICANT

(Use Several Sheets if Necessary)

Applicant: **Komatsu HIROSHI**Filing Date
January 25, 2001Group
2871Date: January 24, 2001

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,600,464	02/1997	OHE, et al.			
	AB	5,608,556	03/04/97	KOMA			
	AC	5,646,705	07/08/97	HIGUCHI, et al.			
	AD	5,686,019	11/1997	NAKAMURA			
	AE	5,737,051	04/07/98	KONDO, et al.			
	AF	5,742,369	04/1998	MIHARA, et al.			
	AG	5,745,207	04/1998	ASADA, et al.			
	AH	5,757,455	05/26/98	SUGIYAMA, et al.			
	AI	5,760,856	06/02/98	YANAGAWA, et al.			
	AJ	5,760,857	06/02/98	YANAGAWA, et al.			

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	TRANSLATION	
				YES	NO
	AK	06-273803	09/1994	JAPAN	ABSTRACT
	AL	07-036058	02/1995	JAPAN	ABSTRACT
	AM	07-225388	08/1995	JAPAN	ABSTRACT
	AN	08-062586	03/1996	JAPAN	ABSTRACT
	AO	09-005763	01/1997	JAPAN	ABSTRACT

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	S. Matsumoto, <i>Display Characteristics of In-Plane-Switching (IPS) LCDs and a Wide-Viewing-Angle 14.5in. IPS TFT-LCD</i> , Euro Display '96, pp. 445-448.
	AQ	H. Wakemoto, et al., <i>An Advanced In-Plane-Switching Mode TFT-LCD</i> , SID 97 Digest, pp. 929-932.
	AR	Japanese Abstract for JP09-269507, 10/14/1997.

Examiner Signature

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Applicant: **Komatsu HIROSHI**Filing Date
January 25, 2001Group
2871Date: January 24, 2001

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,786,876	07/28/98	OTA, et al.			
	AB	5,793,459	08/11/98	TOKO			
	AC	5,831,701	11/03/98	MATSUYAMA, et al.			
	AD	5,841,499	11/24/98	BAUR, et al.			
	AE	5,852,485	12/1998	SHIMADA, et al.			
	AF	5,859,682	01/12/99	KIM, et al.			
	AG	5,870,160	02/09/99	YANAGAWA, et al.			
	AH	5,886,762	03/23/99	LEE, et al.			
	AI	5,907,380	05/25/99	LIEN			
	AJ	5,910,271	06/08/99	OHE, et al.			

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	TRANSLATION	
				YES	NO
	AK	09-005793	01/1997	JAPAN	ABSTRACT
	AL	09-033946	02/1997	JAPAN	ABSTRACT
	AM	09-043589	02/1997	JAPAN	ABSTRACT
	AN	09-043590	02/1997	JAPAN	ABSTRACT
	AO	09-101538	04/1997	JAPAN	ABSTRACT

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	S.H. Lee, et al., <i>High-Transmittance, Wide-Viewing-Angle Nematic Liquid Crystal Display Controlled L Fringe-Field Switching</i> , Asia Display '98, pp. 371-374.
	AQ	
	AR	

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEAttorney Docket No.
8733.036.10Application No.
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Filing Date
January 25, 2001Group
2871

Date: January 24, 2001

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,914,762	06/22/99	LEE, et al.			
	AB	5,946,067	08/31/99	KIM, et al.			
	AC	5,956,111	09/21/99	OHTA, et al.			
	AD	5,959,708	09/28/99	LEE, et al.			
	AE	5,969,782	10/19/99	LEE, et al.			
	AF	5,977,562	11/02/99	HIRAKATA, et al.			
	AG	5,995,186	11/30/99	HIROSHI			
	AH	6,005,650	12/21/99	KIM, et al.			
	AI	6,040,887	03/21/00	MATSUYAMA, et al.			
	AJ						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	TRANSLATION	
					YES	NO
	AK	09-105908	04/1997	JAPAN	ABSTRACT	
	AL	09-105918	04/1997	JAPAN	ABSTRACT	
	AM	09-258269	10/1997	JAPAN	ABSTRACT	
	AN	09-325346	12/1997	JAPAN	ABSTRACT	
	AO	7-38058	02/1995	JAPAN		

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	
	AQ	
	AR	

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	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	TRANSLATION	
				YES	NO
	AK	1994-7581	04/1994	KOREA	
	AL	96-32049	09/1996	KOREA	X
	AM	97-22458	05/1997	KOREA	X
	AN	98-083765	12/1998	KOREA	X
	AO	97/10530	03/1997	PCT	X

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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	AQ	
	AR	

Examiner Signature

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Komatsu HIROSHI

Group Art Unit: 2871

Serial No.: 09/365,634

Examiner: Unknown

Filed: August 3, 1999

For: LIQUIDS CRYSTAL DISPLAY

1c971 U.S. PTO
09/982830
10/22/01

RELATED CASES STATEMENT

COPY

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant hereby provides a list of pending U.S. applications or issued patents which may be related to the present application.

<u>Examiner's Initial</u>	<u>U.S. Serial Number</u>	<u>Filing Date</u>	<u>Inventor Name</u>	<u>Our Ref.</u>
_____	09/365,634	08/1999	HIROSHI	8733.20031
_____	08/880,068	06/1997	HIROSHI	8733.6642
_____	09/143,624	08/1998	SHIN et al.	8733.6663
_____	09/079,894	05/1998	SEO	8733.6665
_____	09/613,730	07/2000	HIROSHI	8733.20121
_____	09/079,895	05/1998	OH	8733.6660
_____	09/348,704	07/1999	LEE et al.	8733.6967
_____	09/134,405	08/1998	HAM	8733.6833
_____	09/149,746	09/1998	SEO	8733.6867
_____	09/235,205	01/1999	SEO et al.	8733.6901
_____	09/271,153	03/1999	SON et al.	8733.6990

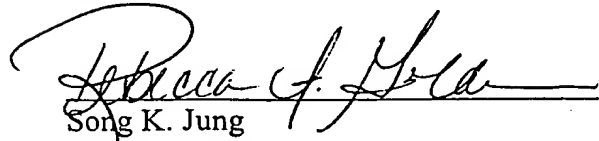
Date Considered: _____

August 3, 2000

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Respectfully submitted,

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A handwritten signature in dark ink, appearing to read "Song K. Jung", written over a horizontal line.

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